

Regular 04-22-14
Item # CA-14-047
CCM/R 14-041R

CITY COUNCIL MEMORANDUM

AGENDA ITEM

**CONSIDER THE ADOPTION OF A PHASE II
STORMWATER MANAGEMENT PLAN TO
COMPLY WITH THE 2013 TPDES GENERAL
PERMIT FOR SMALL MUNICIPAL SEPARATE
STORM SEWER SYSTEM OPERATORS**

ORIGINATING DEPARTMENT

PUBLIC WORKS

BACKGROUND INFORMATION

On January 9, 1998, the U.S. Environmental Protection Agency (EPA) issued proposed regulations under the National Pollutant Discharge Elimination System (NPDES) surface water pollution control program to address a variety of stormwater discharges. Known as "Phase II," the program represented a significant expansion of pre-existing stormwater regulations (i.e. "Phase I"). The Phase I program was implemented to reduce polluted stormwater runoff from major industrial facilities large and medium urban storm drainage networks ("municipal separate storm sewer systems" or "MS4s") and construction sites that disturb five or more acres of land. The Phase II program broadened the scope of stormwater discharge regulations to include smaller municipalities (such as Killeen) and counties, and lower the regulatory threshold to construction sites that disturb at least one acre of land. Phase II cities are also required to obtain stormwater discharge permit coverage for municipal facilities with specific regulated industrial stormwater discharges. The Texas Commission on Environmental Quality (TCEQ) was delegated authority by the EPA to administer the Phase II stormwater regulatory program in the State of Texas.

On December 18, 2007, the City Council formally adopted the City's first Phase II Stormwater Management Program (CCM/R 07-216R). The Stormwater Management Program (SWMP) addresses the Federal Clean Water Act and Texas Water Code regulation of stormwater discharges from a small MS4 (i.e., the "Phase II" stormwater program). The City of Killeen, as a regulated Phase II MS4 operator, must obtain stormwater discharge coverage under the Texas Pollutant Discharge Elimination System.

The TCEQ issued the current TPDES General Permit TXR040000 on December 13, 2013, which authorizes the discharge of stormwater to surface waters in the state from small MS4s. The City of Killeen must obtain authorization under this general permit which involves the submission of a SWMP and a notice of intent (NOI) form to the TCEQ on or before June 11, 2014.

DISCUSSION/CONCLUSION

The current Phase II regulations require that local governments develop and implement the following six minimum control measures within their Stormwater Management Program:

- Public Education, Outreach, and Involvement
- Illicit Discharge Detection and Elimination (IDDE)
- Construction Site Stormwater Runoff Controls
- Post-Construction Stormwater Management in New Development and Redevelopment
- Pollution Prevention and Good Housekeeping for Municipal Operations
- Industrial Stormwater Sources

Following receipt of the new TPDES permit, various City Departments reviewed and provided input on the proposed SWMP. In addition, the City's standing stakeholder's group (this group consists of City staff, area developers and builders, engineers, Fort Hood, Bell County, Killeen ISD, Texas Parks & Wildlife, Bell County Public Health, Clearwater Underground Utility District, and Lake Stillhouse Hollow Clean Water Steering Committee) discussed and provided comment on the proposed SWMP on April 24, 2013, July 31, 2013, January 22, 2014 and February 26, 2014. The stakeholder's group and City staff recommended continuing the Best Management Practices (BMPs) that were adopted by City Council in the City's 2007 SWMP, adding the minimum requirements for new permit items, the purchase of two vacuum units and the purchase of a street sweeper within the next five year permit term. In sum, the attached proposed SWMP was recommended for adoption by the stakeholders at the February 26, 2014 stakeholder meeting.

FISCAL IMPACT

No additional resources are required beyond the FY 2013-2014 budget to implement the proposed 2014 Phase II SWMP for Permit Year 1 (i.e.: December 13, 2013 through September 30, 2014). Budget influences for future budget years are included on the attached spreadsheet and will be summarized in a presentation for the City Council during consideration of the proposed Phase II program.

RECOMMENDATION

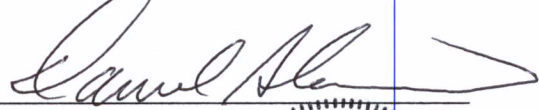
Staff recommends that the City Council adopt the proposed Phase II Stormwater Management Program and approve submittal of the SWMP and NOI to the TCEQ.

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF KILLEEN:

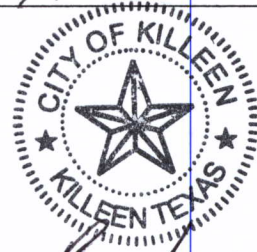
That the above stated recommendation is hereby approved and authorized.

PASSED AND APPROVED at a regular meeting of the City Council of the City of Killeen, Texas, this the 22nd day of April, 2014, at which meeting a quorum was present, held in accordance with the provisions of V.T.C.A., Government Code, § 551.001 *et seq.*

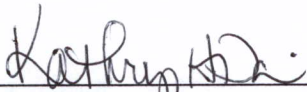
APPROVED



Daniel A. Corbin
MAYOR

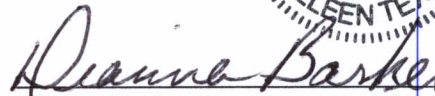


APPROVED AS TO FORM:



Kathryn H. Davis
CITY ATTORNEY

ATTEST:



Dianna Barker
CITY SECRETARY



Notice of Intent (NOI) for Stormwater Discharges from Small Municipal Separate Storm Sewer Systems (MS4) under the TPDES Phase II MS4 General Permit (TXR040000)

IMPORTANT:

- Use the INSTRUCTIONS to fill out each question in this form.
- Use the CHECKLIST to make certain you filled out all required information. Incomplete applications WILL delay approval or result in automatic denial.
- Once processed your authorization can be viewed at:
<http://www.tceq.texas.gov/goto/wq-dpa>

APPLICATION FEE:

- You must pay the **\$100** Application Fee to TCEQ for the paper application to be complete.
- Payment and NOI must be mailed to separate addresses.
- Did you know you can pay on line?
 - Go to <https://www3.tceq.texas.gov/epay/index.cfm>
 - Select Fee Type: GENERAL PERMIT MS4 PHASE II STORM WATER DISCHARGE NOI APPLICATION

- **Provide your payment information below, for verification of payment:**

Mailed ☐ Check/Money Order No.: _____
Name Printed on Check: _____
EPAY ☒ Voucher No.: 211046
Is the Payment Voucher copy attached? ☒ Yes

One (1) copy of the NOI and Stormwater Management Program (SWMP) with the completed SWMP Cover Sheet MUST be submitted with the original NOI and SWMP.

Is the copy attached? ☒ Yes

RENEWAL: Is this NOI a Renewal of an existing Phase II MS4 General Permit Authorization?

(Note: An authorization cannot be renewed after June 11, 2014.)

☒ Yes The existing authorization number is: TXR040010
(If an authorization number is not provided, a new number will be assigned.)

☐ No

1) OPERATOR (Applicant)

- a) If the applicant is currently a customer with TCEQ, what is the Customer Number (CN) issued to this entity? You may search for your CN at:
<http://www.tceq.texas.gov/goto/cr-customer>
CN 600674683

- b) What is the Legal Name of the entity (applicant) applying for this permit?
City of Killeen
(The exact legal name must be provided.)

- c) What is the contact information for the Operator (Applicant)? The mailing address must be recognized by the US Postal Service. You may verify the address at:
<https://tools.usps.com/go/ZipLookupAction!input.action>
Prefix (Mr. Ms. Miss): Mr.
First/Last Name: Glenn Morrison Suffix: _____
Title: City Manager Credential: _____
Phone Number: (254) 501-7629 Ext: _____ Fax Number: (254) 501-7628
E-mail: kramirez@killeentexas.gov
Mailing Address: P.O. Box 1329
Internal Routing (Mail Code, Etc.): PW-Environmental Services
City: Killeen State: Texas ZIP Code: 76540
If outside USA: Territory: _____ Country Code: _____ Postal Code: _____

- d) Indicate the type of Customer (The instructions will help determine your customer type):
☐ Federal Government ☐ State Government ☐ County Government
☒ City Government ☐ Other Government
- e) Number of Employees:
☐ 0-20; ☐ 21-100; ☐ 101-250; ☐ 251-500; or ☒ 501 or higher

2) ANNUAL BILLING CONTACT

The Operator is responsible for paying the annual fee. The annual fee will be assessed to authorizations active on September 1 of each year. TCEQ will send a bill to the address provided in this section. The Operator is responsible for terminating the permit when it is no longer needed.

Is the billing contact and contact information the same as the Operator identified in Section 1) above?

☒ Yes, go to Section 3).

☐ No, complete section below

Prefix (Mr. Ms. Miss): _____
First/Last Name: _____ Suffix: _____
Title: _____ Credential: _____
Organization Name: City of Killeen
Phone Number: _____ Ext: _____ Fax Number: _____
E-mail: _____
Mailing Address: _____
Internal Routing (Mail Code, Etc.): _____
City: _____ State: _____ ZIP Code: _____

3) APPLICATION CONTACT

If TCEQ needs additional information regarding this application, who should be contacted?

Is the application contact and contact information the same as the Operator identified in Section 1) above?

☐ Yes, go to Section 4).

☒ No, complete section below

Prefix (Mr. Ms. Miss): Ms.
First/Last Name: Kristina Ramirez Suffix: _____
Title: Director of Environmental Services Credential: PE
Organization Name: City of Killeen
Phone Number: (254) 501-7629 Ext: _____ Fax Number: (254) 501-7628
E-mail: kramirez@killeentexas.gov
Mailing Address: P.O. Box 1329
Internal Routing (Mail Code, Etc.): PW - Environmental Services
City: Killeen State: Texas ZIP Code: 76540
Mailing Information if outside USA:
Territory: _____ Country Code: _____ Postal Code: _____

4) REGULATED ENTITY (RE) INFORMATION

If the site of your business is part of a larger business site or if other businesses were located at this site before yours, a Regulated Entity Number (RN) may already be assigned for the larger site. Use the RN assigned for the larger site. Search TCEQ's Central Registry to see if the larger site may already be registered as a regulated site at:

<http://www.tceq.texas.gov/goto/cr-searchrn>

If the site is found, provide the assigned Regulated Entity Reference Number and provide the information for the site to be authorized through this application below. The site information for this authorization may vary from the larger site information.

- a) TCEQ issued RE Reference Number (RN): RN 105477020
- b) Name that is used to identify the small MS4 (Example: City of XXX MS4)
City of Killeen MS4
- c) Provide a brief description of the regulated MS4 boundaries: (Example: Area within the City of XXXX limits that is located within the xxx (e.g. Dallas) urbanized area):

Area within the City of Killeen limits that is located within the Killeen, TX urbanized area.
- d) City where the largest residential population exists within the regulated MS4 boundaries:
Killeen
- e) ZIP code where the largest residential population exists within the regulated MS4 boundaries:
76540

f) County where the largest residential population exists within the regulated MS4 boundaries:
Bell

Is the MS4 located within additional counties?

☐ Yes – If Yes, what county (or counties)?

☒ No

g) Latitude: 31.106 N Longitude: 97.719 w

5) GENERAL CHARACTERISTICS

a) Is the project/site located on Indian Country Lands?

☐ Yes – If Yes, you must obtain authorization through EPA, Region 6.

☒ No

b) What is applicant's Standard Industrial Classification (SIC) code?

SIC Code: 9111

c) What is the category or level of the MS4 based on the population served?

☐ **Level 1:** Operators of traditional small MS4s that serve a population of less than 10,000 within an urbanized area (UA).

☐ **Level 2:** Operators of traditional small MS4s that serve a population of at least 10,000 but less than 40,000 within an UA.

This category also includes all non-traditional small MS4s such as counties, drainage districts, transpiration entities, military bases, universities, colleges, correctional institutions, municipal utility districts and other special districts regardless of population served within the UA, unless the non-traditional MS4 can demonstrate that it meets the criteria for a waiver from permit coverage based on the population served.

☐ **Level 3:** Operators of traditional small MS4s that serve a population of at least 40,000 but less than 100,000 within an UA.

☒ **Level 4:** Operators of traditional small MS4s that serve a population of 100,000 or more within an UA.

d) Has TCEQ "designated" the small MS4 as needing coverage under this general permit?

☐ N/A

☒ Yes

☐ No - If No and no portion of the small MS4 is located within an UA as determined by the 2000 or 2010 Decennial Census by the U.S Bureau of Census requiring a NOI be submitted, the operator is not eligible for coverage under this general permit through the NOI.

e) What is your annual reporting year?

☐ Calendar year

☐ MS4 general permit year

☒ Fiscal year – If Fiscal year, what is the last day of the fiscal year? 09/30/14

f) Stormwater Management Program (SWMP)

1. I certify that the SWMP submitted with this Notice of Intent has been developed according to the provisions of this general permit TXRo40000.

☒ Yes

☐ No – If No, the application is considered incomplete and may be returned.

2. I certify that the SWMP Cover Sheet is completed and attached to the front of the SWMP.

☒ Yes

☐ No – If No, the application is considered incomplete and may be returned.

3. Who is the person responsible for implementing or coordinating implementation of the SWMP? (Note: All contact information requested below is required.)

First/Last Name: Kristina Ramirez

Title: Director of Environmental Services

Company: City of Killeen

Phone Number: (254) 501-7629

Ext: _____

Fax Number: (254) 501-7628

E-mail: kramirez@killeentexas.gov

Mailing Address: P.O. Box 1329

Internal Routing (Mail Code, Etc.): PW- Environmental Services

City: Killeen

State: TX

ZIP Code: 76540

g) 7th Minimum Control Measure (MCM) for Municipal Construction Activities

1. Is the MCM for authorization to discharge stormwater from municipal construction activities included with the attached SWMP?

☐ Yes – If Yes, what are the boundaries within which those activities will occur? (Note: If the boundaries are located outside of the urbanized area, then the entire SWMP must also incorporate the additional areas.)

☒ No

2. Is the discharge or potential discharge from regulated construction activities within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer?

☐ Yes – If Yes, please note that a copy of the agency approved Water Pollution Abatement Plan (WPAP) required by the Edward Aquifer Rule (30 TAC Chapter 213) must be either included or referenced in the construction stormwater pollution prevention plan(s).

☒ No

h) Discharge Information See Attachment A for additional information on compliance with TXR040000 Part II.D.4.(b)

1. What is the name of the water body (ies) receiving stormwater from the MS4?
Nolan Creek/South Nolan Creek; Stillhouse Hollow Lake; Lampasas River Above Stillhouse Hollow Lake; Little Nolan Creek; Trimmier Creek; Long Branch; Hay Branch; Reese Creek; Rock Creek; Onion Creek
2. What is the classified segment number(s) that receives discharges, directly or indirectly, from the small MS4?
1218; 1216; 1217; 1218C; 1216A

Do you discharge directly or indirectly?
Both

3. Are any of the surface water body (ies) receiving discharges from the small MS4 on the latest EPA-approved Clean Water Act (CWA) §303(d) list of impaired waters or the Texas Integrated Report of Surface Water Quality for CWA Sections 305(b) and 303(d)?
☒ Yes – If Yes:

What is the name of the impaired water body (ies) receiving the discharge from the small MS4?

Nolan Creek/South Nolan Creek; Little Nolan Creek; Trimmier Creek

What is/are the pollutant(s) of concern?

Impaired: E. Coli;

POC: Total Phosphorus; Nitrate; Orthophosphorus; Macrobenthic Community

☐ No

4. Is the discharge into any other MS4 prior to discharge into surface water in the state?
☒ Yes – If Yes, what is the name of the MS4 Operator?

City of Harker Heights; Bell County; TxDOT; Fort Hood

☐ No

i) Edwards Aquifer

Is the discharge or potential discharge from the MS4 within the Recharge Zone, Contributing Zone, or Contributing Zone within the Transition Zone of the Edwards Aquifer?

☐ Yes - If Yes, complete certification below by checking "Yes".

☒ No

I certify that a copy of the TCEQ approved WPAP required by the Edwards Aquifer Rule (30 TAC Chapter 213) is either included or referenced in the SWMP.

☐ Yes

j) Public Participation Process

The Office of Chief Clerk will send the operator or person responsible for publishing, the notice of the executive director's preliminary determination of the NOI and SWMP, in a newspaper of general circulation in the county where the small MS4 is located. If multiple counties, notice must be published at least once in the newspaper of general circulation in the county containing the largest resident population.

The applicant must file with the Chief Clerk a copy of an affidavit of the publication within 60 days of receiving the written instructions from the Office of Chief Clerk.

1. I will comply with the Public Participation requirements described in Part II.E.12 of the general permit.

☒ Yes

☐ No – If No, coverage under this general permit is not obtainable.

2. Who is the person responsible for publishing notice of the executive director's preliminary determination on the NOI and SWMP? (Note: All contact information requested below is required.)

First/Last Name: Kristina Ramirez

Title: Director of Environmental Services

Company: City of Killeen

Phone Number: (254) 501-7629

Ext: _____

Fax Number: (254) 501-7628

E-mail: kramirez@killeentexas.gov

Mailing Address: P.O. Box 1329

Internal Routing (Mail Code, Etc.): PW - Environmental Services

City: Killeen

State: Texas

ZIP Code: 76540

3. What is the name and location of the public location where copies of the NOI and SWMP, as well as the executive director's general permit and fact sheet, may be reviewed?

Name of Public Place:

City of Killeen - City Annex - Environmental Services Office

Address of Public Place:

200 East Avenue D, 2nd Floor, Killeen, Texas 76541

County of Public Place:

Bell

6) CERTIFICATION

Check Yes to the certifications below. Failure to indicate Yes to **ALL** items may result in denial of coverage under the general permit.

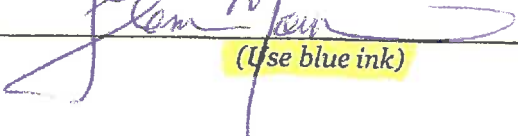
- a) I certify that I have obtained a copy and understand the terms and conditions of the Phase II (Small) MS4 General Permit TXRo40000. ☒ Yes
- b) I certify that the small MS4 qualifies for coverage under the general permit TXRo40000. ☒ Yes
- c) I understand that a Notice of Termination (NOT) must be submitted when this authorization is no longer needed. ☒ Yes
- d) I understand that authorization active on September 1st of each year will be accessed an Annual Water Quality Fee. ☒ Yes

Operator Certification:

I, Glenn Morrison City Manager
Typed or printed name *Title*

certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

I further certify that I am authorized under **30 Texas Administrative Code §305.44** to sign and submit this document, and can provide documentation in proof of such authorization upon request.

Signature:  Date: 6/10/14
(Use blue ink)

NOTICE OF INTENT CHECKLIST (TXRo40000)

- Did you complete everything? Use this checklist to be sure!
- Are you ready to mail your form to TCEQ? Go to the General Information Section of the Instructions for mailing addresses.

This checklist is for use by the operator to ensure a complete application. Missing information may result in denial of coverage under the general permit. (See NOI process description in the Instructions)

Application Fee:

If paying by Check:

- ☐ Check was mailed **separately** to the TCEQs Cashier's Office. (See Instructions for Cashier's address and Application address.)
- ☐ Check number and name on check is provided in this application.

If using ePay:

- ☒ The voucher number is provided in this application or a copy of the voucher is attached.

AUTHORIZATION NUMBER:

- ☒ Authorization number provided – if this application is for renewal of an existing authorization.

OPERATOR INFORMATION - Confirm each item is complete:

- ☒ Customer Number (CN) issued by TCEQ Central Registry
- ☒ Legal name as filed to do business in Texas (Call TX SOS 512/463-5555)
- ☒ Name and title of responsible authority signing the application
- ☒ Mailing address is complete & verifiable with USPS. www.usps.com
- ☒ Phone numbers/e-mail address
- ☒ Type of operator (entity type)
- ☒ Number of employees
- ☒ Billing address is complete & verifiable with USPS. <http://www.usps.com>

REGULATED ENTITY (RE) INFORMATION ON PROJECT OR SITE - Confirm each item is complete:

- ☒ MS4/Regulated Entity Name
- ☒ Site description
- ☒ Latitude and longitude <http://www.tceq.texas.gov/gis/sqmapview.html>
- ☒ County
- ☒ Site/project physical address. Do not use a rural route or post office box.
- ☒ Business description

GENERAL CHARACTERISTICS - Confirm each item is complete:

- ☒ Indian Country Lands –the facility is not on Indian Country Lands
- ☒ Standard Industrial Classification (SIC) Code www.osha.gov/oshstats/sicser.html
- ☒ Level of MS4
- ☒ Qualifying TCEQ "Designated" small MS4
- ☒ Annual Reporting Year
- ☒ 7th Minimum Control Measurement (MCM) for Municipal Construction Activities
- ☒ Discharge information
- ☒ Edwards Aquifer rule
- ☒ Public participation information

CERTIFICATION

- ☒ Certification statements have been checked indicating "Yes"
- ☒ Signature meets 30 Texas Administrative Code (TAC) 305.44 and is original.
- ☒ Stormwater Management Program (SWMP), and completed SWMP Cover Sheet are attached to the NOI.

STORMWATER MANAGEMENT PROGRAM (SWMP) COVER SHEET
Confirm Each Minimum Control Measure (MCM) Below is Included in the SWMP

This cover sheet **MUST** be completed by indicating the page number where the requested item will be found in the SWMP. Provide the page number to the left of each item.

This cover sheet **MUST** be attached to the front of the SWMP.

Operator:

Operator name on NOI: City of Killeen

Assessment of program elements:

☒ Program elements that were described in the previous permit have been assessed and modified as necessary. New elements have been developed and implemented as necessary.

☐ N/A, If newly regulated MS4.

MCM 1: Public Education, Outreach, and Involvement

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

PE 1, 3-5, 8; ID
3,4,7; C 3-4; PC
1; GH 1,2,8,9,12

Each BMP Page

Each BMP Page

PE 1-6, 8; ID 3

Each BMP Page

1. SWMP includes a stormwater education and outreach program to educate public employees, business, and the general public about hazards associated with the illegal discharges and improper disposal of waste and about the impacts stormwater can have on water quality, and steps they can take to reduce pollutants in stormwater.
2. Defines the goals and objectives of the program based on high-priority community-wide issues.
3. Identifies the target audiences.
4. Appropriate educational material is developed or used.
5. Education material is distributed.

SWMP Lists Best Management Practices (BMPs) used to fulfill this MCM. Examples of possible BMPs include, but are not limited to, the following:

• PE 2, 8
• PE 1, 5
• PE 3
• PE 3-4, 8
• PE 8
• PE 3, 4
• PE 2-5
• PE 3-5, 8

• PE 3, 4, 8
• PE 5
• PE 9
• PE 8
• PE 3, 4, 8
• N/A
• N/A

- Classroom Education
- Use of media
- Education/Outreach for Commercial Activities
- Lawn and garden activities
- Promotional giveaways
- Water conservation practices for homeowners
- Outreach programs tailored to specific communities and children
- Stormwater educational materials
- Educational displays, pamphlets, booklets, and utility stuffers
- Webpage
- Storm drain stenciling
- Speakers to community groups
- Encouragement of proper lawn and garden care
- Encouragement of low impact development
- Support of pollution prevention for businesses

- PE4
- PE 3-4; ID 2
- PE 6

- Encouragement of water conservation practices
- Encouragement of pet waste management
- Stormwater hotlines

Page 1

PE8, C1, PC1, IS1

PE 7-9, ID 6, IS 3

PE 1, 3-5, 8; ID 3

- SWMP includes a program that complies with state and local public notice requirements.
- May include using public input in the implementation of the program.
- May include opportunities for citizen to participate in implementation of control measures.
- Ensure the public easily can find information about the SWMP.

SWMP Lists Best Management Practices (BMPs) used to fulfill this MCM. Examples of possible BMPs include, but are not limited to, the following:

- PE8, C1, PC1, IS1
- PE 6
- PE 7-9
- N/A

- PE 7-8, ID6, ID9
- PE 7, 8

- N/A
- IS-3
- PE 8

- PE 9
- PE 8

- PE8, C1, PC1, IS1
- N/A
- N/A

- PE 7-9

- Stakeholder meetings
- Community hotline
- Coordination with school groups/scouting
- Listserver
- Stream cleanup and monitoring
- Adopt-A-Stream programs
- Incentives for businesses to participate, such as web links
- Volunteer monitoring
- Watershed Organization
- Storm drain stenciling programs
- Advisory/partner committees
- Mailing list development and use
- Reforestation programs
- Wetland plantings
- Coordinate volunteer programs.

EVERY BMP
SHEET

SWMP includes measureable goals, and the method of measurement, for addressing stormwater quality

EVERY BMP
SHEET

SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 2: Illicit Discharge Detection and Elimination

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

ID 2-3, 6-9

a. ID 1, 6

b. ID 1

c. ID 7

- Description of program that will be used to detect, investigate and eliminate illicit discharges
- MS4 map:
 - Location of all small MS4 outfalls operated by the MS4 and that discharge into waters of the U.S.
 - Location and name of all surface waters receiving discharge from the MS4s outfalls.
 - Priority areas, if applicable.

ID 2, GH 1, ID 9

ID 9

- Methods for informing and training MS4 field staff.
- Procedures for tracing the source of an illicit discharge.

ID 9

ID 2, 3, 7

ID 7, 9

ID 3, 7

5. Procedures for removing the source of the illicit discharge.
6. Facilitate public reporting of illicit discharges of water quality impacts associated with discharges into or from the small MS4.
7. Procedures for responding to illicit discharges and spills.
8. Inspections in response to complaints.

ID 8

Additional Requirements for Level 2, 3, and 4 small MS4s:

For Level 2, 3, and 4 small MS4, procedures to prevent and correct leaking on-site sewage disposal systems.

ID 7, 9

Additional Requirements for Level 3 and 4 small MS4s:

Follow-up investigation after the illicit discharge has been eliminated.

1. ID 7

2. ID 6

Additional Requirements for Level 4 small MS4s:

1. Procedures for identifying and creating a list of priority areas within the small MS4s likely to have illicit discharges.
2. Implement a dry weather field screening program to assist in detecting and eliminating illicit discharges to the small MS4.

• ID 2
• ID 3
• ID 4
• ID 1, 6, 9
• ID 6, 9

• N/A
• ID 6
• N/A
• ID 4

• PE 1, 3-5, 8;
ID 7
• ID 2, 7, 9
• ID 4
• PE 1, 3-5, 7, 8,
ID 7
• N/A

SWMP Lists Best Management Practices (BMPs) used to fulfill this MCM.
Examples of possible BMPs may include the following:

- List of non-stormwater discharges that will not be considered illicit
- Procedures to address illegal dumping
- Hazardous materials disposal opportunities
- Industrial/Business connections
- Addressing wastewater connections to MS4
- Addressing recreational sewage (boats/camping/etc.)
- System inspections
- Dye testing
- Recycling programs
- Informing public/employees/businesses of hazards associated with illicit discharges
- Identification of illicit discharges
- Used oil collection centers
- Public outreach and education programs regarding illicit discharges
- Publicize and facilitate public reporting

EVERY BMP
SHEET

SWMP includes measureable goals, and the method of measurement, for addressing stormwater quality.

EVERY BMP
SHEET

SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 3: Construction Site Stormwater Runoff Control

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

C1

C1

a. C1-3

b. C1-4

c. C1, 3,
4

ID 2, C1

C2

C1, C3

C3

C3, 4

C2

• C1
• C1
• C2
• PE 5, C3
• C1
• C3
• C4
• C1, 3, 4
• ID 2, C1

EVERY
BMP
SHEET

EVERY
BMP
SHEET

Requirements for all MS4s:

1. Description of program that will be developed, implemented and enforced, to address stormwater runoff from construction once acre and greater (including larger common plan).
2. Ordinance or other regulatory mechanism to require erosion and sediment controls, as well as sanctions to ensure compliance, to the extent allowable under state and local law.
3. Program requires construction site operators to implement erosion and sediment control – BMPs to minimize the discharge of pollutants.
 - a. Program requires soil stabilization measures, and implementation of BMPs to control pollutants from equipment and vehicle washing and other wash waters.
 - b. Program requires operators to minimize exposure to stormwater of building materials, building products, construction wastes, trash, landscape materials, fertilizers, pesticides, herbicides, detergents, sanitary waste, and other materials.
 - c. Minimize the discharge of pollutants from spills and leaks. As an alternative, ensure that the construction site has developed a stormwater pollution prevention plan in accordance with the TPDES Construction General Permit TXR150000.
4. Program prohibits illicit discharges such as wash out wastewater, fuels, oils, soaps, solvents, and dewatering activities.
5. Procedures for construction site plan review to consider water quality impacts.
6. Procedures for construction site inspections and enforcement of control measures, to the extent allowable under state and local law.
7. Procedures for receipt and consideration of information submitted by the public.
8. Procedures for MS4 staff training.

Additional Requirements for Level 3, and 4 small MS4s:

Includes an inventory of all permitted active construction sites greater than one acre or less than one acre if part of a larger common plan of development.

SWMP lists BMPs used to fulfill this MCM. Examples may include:

- Requirement to comply with TPDES CGP
- Notification to discharger of responsibilities under TPDES CGP
- Hire staff to review construction site plans
- Provide a web page for public input on construction activities
- Require overall construction site waste management
- Perform site inspections and enforcement
- Provide education and training for construction site operators
- Notify dischargers of requirement to obtain TPDES permit coverage
- Mechanism to prohibit discharges into MS4 where necessary

SWMP includes measurable goals, and the method of measurement, for addressing stormwater quality.

SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 4: Post-Construction Stormwater Management in New Development and Redevelopment
 Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

PC 1

1. Description of program that will be developed, implemented and enforced, to address stormwater runoff from new development and redeveloped sites that discharge into the small MS4 that disturb one acre or more, including projects that disturb less than one acre that are part of a larger common plan of development or sale.

PC 1

2. Ordinance or other regulatory mechanism is in place or planned which will regulate discharges from new development and redevelopment projects.

PC 1

3. Establish, implement, and enforce a requirement that owners or operators of new development and redeveloped sites design, install, implement, and maintain a combination of structural and non-structural BMPs appropriate for the community and that protects water quality.

PC 1

4. Document and maintain records of enforcement actions.

PC 2, 3

5. Long-term operation and maintenance of post construction stormwater control measures is addressed.

PC 2, 3

6. Operation and maintenance is documented.

Additional Requirements for Level 4 small MS4s:

1. PC1, 2

1. Develop and implement an inspection program to ensure that all post construction stormwater control measures are operating correctly and are being maintained.

2. PC 1

2. Inspections are documented.

SWMP lists BMPs used to fulfill this MCM. Examples may include:

- PC 1
- PE 3
- PE 8
- PC 1
- N/A
- C2, PC 1
- N/A
- N/A
- PC1

- Local ordinance in place or planned
- Guidance document for developers to utilize
- Specific BMPs established for particular watersheds
- List of appropriate BMPs provided to operators
- Elimination of curbs and gutters is encouraged
- Zoning takes into account stormwater issues
- Incentives for use of permeable choices, such as porous pavement
- Requirements for wet ponds or other BMPs for certain size sites
- Xeriscaping

EVERY BMP
SHEET

SWMP includes measurable goals, and the method of measurement, for addressing stormwater quality.

EVERY BMP
SHEET

SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 5: Pollution Prevention and Good Housekeeping for Municipal Operations

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for all MS4s:

GH 1,
GH 2

GH 2

GH1

GH 3-4, 6,
7, 9-10

GH 12

a. GH 1, 2

b. GH 1, 2

c. GH 2

GH 7

a. GH 7

b. GH 7,
ID 3, 7,
C3, PC 1

GH 6, 7

GH 2, 7,
ID 1

a. GH2
b. GH2

GH 1, GH
2

a. GH 1,2

1. An operation and maintenance (O&M) program, including an employee training component, in place or scheduled, to reduce/prevent pollution from municipal activities and municipally owned areas included but not limited to park and open space maintenance; street, road, or highway maintenance; fleet and building maintenance; stormwater system maintenance; new construction and land disturbances; municipal parking lots; vehicle and equipment maintenance and storage yards; waste transfer stations; and salt/sand storage locations.
2. Develop and maintain an inventory of the MS4's facilities and stormwater controls.
3. Inform or train staff involved in good housekeeping practices.
4. Waste from the MS4 is removed and properly disposed.
5. Contractors hired by the MS4 must be required to comply with operating procedures.
 - a. MS4 develop contractor oversight procedures.
6. MS4 evaluates O&M activities for their potential to discharge pollutants in stormwater for road and parking lot maintenance, bridge maintenance, cold weather operations, and right-of-way maintenance etc.
 - a. MS4 identifies pollutants of concern that could be discharged from the O&M activities.
 - b. MS4s develop and implement pollution prevention measures that will reduce discharge of pollutants from O&M activities.
 - c. MS4s inspect pollution prevention measures at MS4 facilities.
7. MS4 maintains structural controls.

Additional requirements for Level 3 and 4 small MS4s:

1. Storm sewer system O&M.
 - a. MS4 develops and implements an O&M program to reduce the collection of pollutants in catch basins and other surface structures.
 - b. MS4 develops a list of potential problem areas for increased inspection (for example, areas with recurrent illegal dumping).
2. Implement an O&M program to reduce discharge of pollutants from roads that might include a street sweeping and cleaning program, or inlet protection. The program includes an implementation schedule and a waste disposal procedure.
3. MS4 map identify MS4 facilities and stormwater controls.
4. MS4 assess its facilities for their potential to discharge pollutants into stormwater.
 - a. The MS4 identifies high priority facilities that have a high potential to generate stormwater pollutants. At a minimum, facilities include the MS4s maintenance yards, hazardous waste facilities, fuel storage locations, and any other facilities at which chemicals or other materials have a high potential to be discharge in stormwater.
 - b. The MS4 documents the result of the assessments.
5. The MS4 develops stormwater management Standard Operation Procedures for high priority facilities.
6. The MS4 implements stormwater controls at high priority facilities that address:
 - a. Good housekeeping

b. GH1,2
c. GH3,5
d. GH4

- b. De-icing and anti-icing storage
- c. Fueling operations and vehicle maintenance
- d. Equipment and vehicle washing

GH2

7. The MS4 develops and implements an inspection program that includes high priority facilities.

Additional requirements for Level 4 small MS4s:

MS4 has an application and management program for pesticides, herbicides, and fertilizers that address:

a. GH 2
bi. GH 8
b.ii. GH 2, 8
c. GH 7, 8
d. GH 1,-2, 8-9

- a. Evaluating materials and activities used at public open spaces.
- b. Implementing the following practices to minimize generating pollutants related to landscaping.
 - i. Education for applicators and distributors
 - ii. Encouragement of non-chemical solutions for pest management
- c. Development of schedules that minimizes discharge of pollutants.
- d. Ensuring collection and proper disposal of unused pesticides, herbicides, and fertilizers.

• GH 3, 4
• GH 6
• GH 7
• GH 6, PC 1
• GH 3, 6-7, 9-10
• N/A
• GH 10
• GH 8
• GH 1, 2
• GH 6
• GH 1, 2
• GH 1
• GH 1, 2

SWMP lists BMPs used to fulfill this MCM. Examples may include:

- BMPs which address fleet vehicle maintenance/washing
- BMPs which address parking lot and street cleaning
- Catch basin and storm drain system cleaning
- Landscaping and lawn care (e.g. xeriscaping)
- Waste materials management
- Road salt application and storage practices
- Used oil recycling
- Pest management practices
- Fire training facilities
- BMPs which address roadway and bridge maintenance
- Golf course maintenance/waste disposal
- Disposal of cigarette butts
- Park maintenance (e.g., providing trash bags)

EVERY BMP
SHEET

SWMP includes measurable goals, and the method of measurement, for addressing stormwater quality.

EVERY BMP
SHEET

SWMP has been fully implemented, or includes a schedule of implementation not to exceed five (5) years from permit issuance date.

MCM 6: Industrial Stormwater Sources

Page # (s) – Provide the page number (s) to the left of each item.

The SWMP includes the following required elements:

Requirements for Level 4 MS4 only:

a. IS 1, 2

Program to identify and control industrial stormwater sources that at least includes:

b. IS 2, 3


- a. MS4 landfills, other treatment, storage, or disposal facilities for municipal waste, hazardous waste treatment, storage, disposal and recovery facilities and facilities that are subject to Emergency Planning and Community Right-to-Know Act (EPCRA).
- b. Priorities and procedures for inspections and for implementing control measures for such discharges.


Optional 7th MCM: Municipal Construction Activities (only available within the regulated area where the MS4 operator meets the definition of construction site operator)


Page # (s) – Provide the page number (s) to the left of each item.


If this MCM is applicable, the SWMP includes the following information:


- | | |
|-----|---|
| N/A | 1. Description of how construction activities will generally be conducted so as to take into consideration local conditions of weather, soils, and other site specific considerations. |
| N/A | 2. Description of the area that this MCM will address and where the MS4 operator's construction activities are covered (e.g. within the boundary of the urbanized area, the corporate boundary, a special district boundary, an extra territorial jurisdiction, or other similar jurisdictional boundary). |
| N/A | 3. If the area included in this MCM includes areas outside of the UA, then all MCMs will be implemented over those additional areas as well. |
| N/A | 4. Description provided for one of the following: <ul style="list-style-type: none"> a. How contractor activities will be supervised or overseen to ensure that the Stormwater Pollution Prevention Plan (SWP3) requirements are properly implemented at the construction site(s); or b. How the MS4 operator will make certain that contractors have a separate authorization for stormwater discharges if needed. |
| N/A | 5. General description of how a construction SWP3 will be developed for each construction site. |
| N/A | 6. Records of municipal construction activities authorized under this optional MCM. |


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PE-1	Public Service Announcement	24 cable broadcasts; Add Social Media postings for water quality	24 cable broadcasts; Copy of Social Media postings	24 cable broadcasts; Copy of Social Media postings	24 cable broadcasts; Copy of Social Media postings	24 cable broadcasts; Copy of Social Media postings	24 cable broadcasts; Copy of Social Media postings	
PE-2	School Book Covers	32,000 book covers purchased and distributed	32,000 folders purchased and distributed	32,000 folders purchased and distributed. 32,000 bookmarks or folders for KISD	32,000 folders purchased and distributed. 32,000 bookmarks or folders for KISD	32,000 folders purchased and distributed. 32,000 bookmarks or folders for KISD	32,000 folders purchased and distributed. 32,000 bookmarks or folders for KISD	
PE-3	Storm Water Brochures	# of brochures distributed; Inventory of brochures; Evaluate process for distribution of outreach materials	Identify target audience for 1 new topical brochure; # of brochures distributed	Identify target audience for 1 new topical brochure; # of brochures distributed	Identify target audience for 1 new topical brochure; # of brochures distributed	Identify target audience for 1 new topical brochure; # of brochures distributed	Identify target audience for 1 new topical brochure; # of brochures distributed	
PE-4	Utility Bill Inserts	2 program inserts mailed	2 program inserts mailed	2 program inserts mailed	2 program inserts mailed	2 program inserts mailed	2 program inserts mailed	
PE-5	Storm Water Web Site	Update existing pages	Update existing pages	Update existing pages	Update existing pages	Update existing pages	Update existing pages	
PE-6	Storm Water Hotline	List of investigations	List of investigations	List of investigations	List of investigations	List of investigations	List of investigations	
PE-7	Stream Cleanup Projects	1 summary flyer; Support 1 clean up event	1 summary flyer; Support 1 clean up event	1 summary flyer; Support 1 clean up event	1 summary flyer; Support 1 clean up event	1 summary flyer; Support 1 clean up event	1 summary flyer; Support 1 clean up event	
PE-8	Watershed Organizations	Support Lampasas River Watershed Partnership; Support LSHCWSC Outreach efforts; Support Nolan Creek Watershed efforts; Support Texas Stream Team	Support Lampasas River Watershed Partnership; Support LSHCWSC Outreach efforts; Support Nolan Creek Watershed efforts; Support Texas Stream Team	Support Lampasas River Watershed Partnership; Support LSHCWSC Outreach efforts; Support Nolan Creek Watershed efforts; Support Texas Stream Team	Support Lampasas River Watershed Partnership; Support LSHCWSC Outreach efforts; Support Nolan Creek Watershed efforts; Support Texas Stream Team	Support Lampasas River Watershed Partnership; Support LSHCWSC Outreach efforts; Support Nolan Creek Watershed efforts; Support Texas Stream Team	Support Lampasas River Watershed Partnership; Support LSHCWSC Outreach efforts; Support Nolan Creek Watershed efforts; Support Texas Stream Team	
PE-9	Storm Drain Stenciling	Hold a stenciling event; Update GIS inlet map	Hold a stenciling event; Update GIS inlet map	Hold a stenciling event; Update GIS inlet map	Hold a stenciling event; Update GIS inlet map	Hold a stenciling event; Update GIS inlet map	Hold a stenciling event; Update GIS inlet map	
PE-10	Long Term Operation and Maintenance of BMPs	List of BMPs brought online in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	

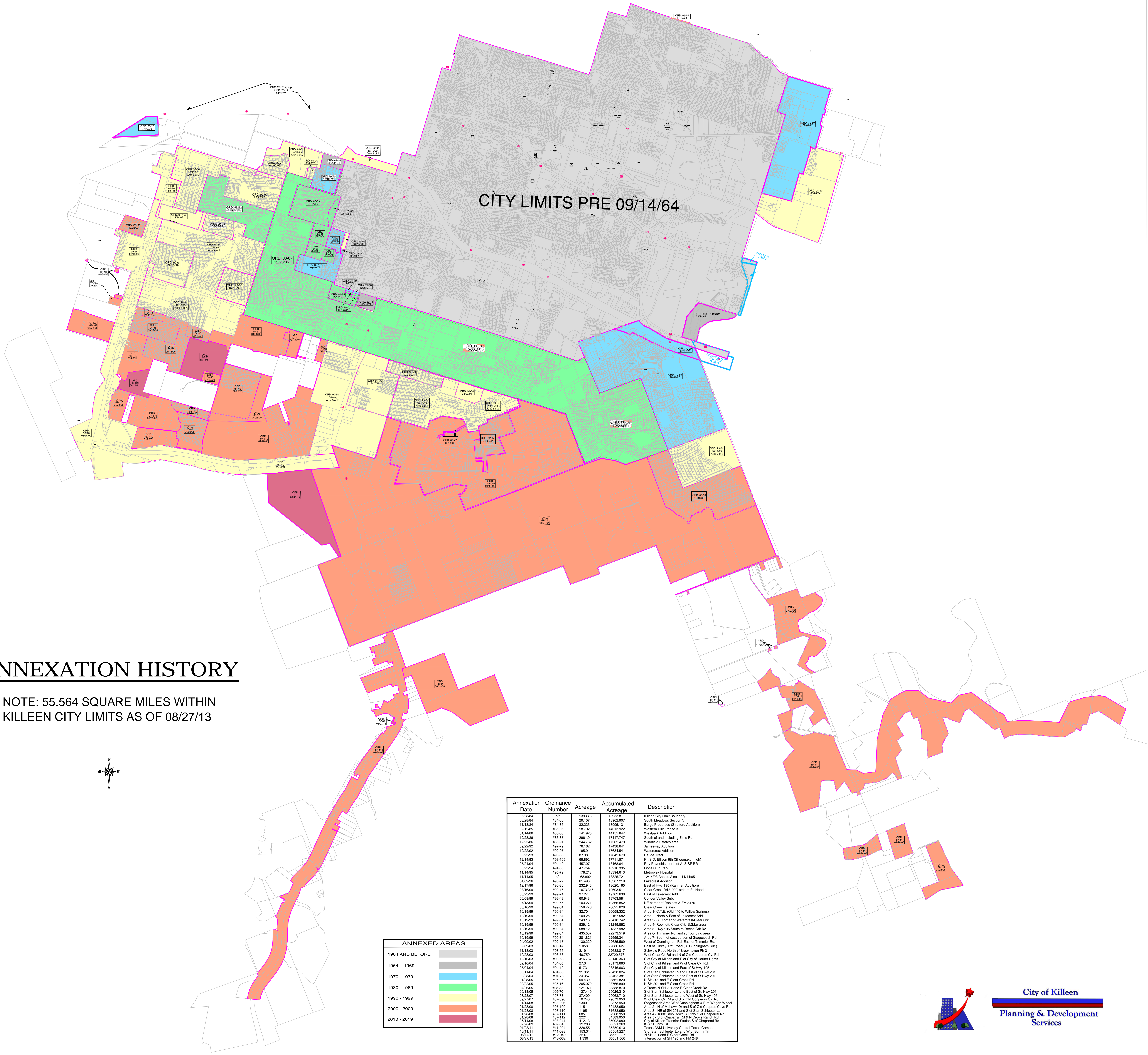
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ID-1	Storm Drain System Mapping	QA/QC of previously recorded data	Map Tributaries; Add collected data to GIS database	Map Tributaries; Add collected data to GIS database	Map Tributaries; Add collected data to GIS database	Map Tributaries; Add collected data to GIS database	Map Tributaries; Add collected data to GIS database	
ID-2	Illicit Discharge Ordinance	List of Illicit Discharge investigations (ILD); List of enforcement actions; Copy of Ordinance changes (if any)	List of Illicit Discharge investigations (ILD); List of enforcement actions; Copy of Ordinance changes (if any)	List of Illicit Discharge investigations (ILD); List of enforcement actions; Copy of Ordinance changes (if any)	List of Illicit Discharge investigations (ILD); List of enforcement actions; Copy of Ordinance changes (if any)	List of Illicit Discharge investigations (ILD); List of enforcement actions; Copy of Ordinance changes (if any)	List of Illicit Discharge investigations (ILD); List of enforcement actions; Copy of Ordinance changes (if any)	
ID-3	Reduce Illegal Dumping	Number of inserts or brochures; List of investigations	Number of inserts or brochures; List of investigations	Number of inserts or brochures; List of investigations	Number of inserts or brochures; List of investigations	Number of inserts or brochures; List of investigations	Number of inserts or brochures; List of investigations	
ID-4	Household Chemical Collection and Recycling	Copy of promotional material; List of material collected	Copy of promotional material; List of material collected	Copy of promotional material; List of material collected	Copy of promotional material; List of material collected	Copy of promotional material; List of material collected	Copy of promotional material; List of material collected	
ID-5	Eliminate Sanitary Sewer Overflows	Clean 350,000 ft/year; TV 12,000 ft/year	Clean 350,000 ft/year; TV 12,000 ft/year	Clean 350,000 ft/year; TV 12,000 ft/year	Clean 350,000 ft/year; TV 12,000 ft/year	Clean 350,000 ft/year; TV 12,000 ft/year	Clean 350,000 ft/year; TV 12,000 ft/year	
ID-6	Dry Weather Screening	Update screening map(s); List of results; List of actions pending or taken	Add South Nolan Creek tributaries to dry weather screening; Update screening map(s); List of results; List of actions pending or taken	Add Nolan Creek tributaries to dry weather screening; Update screening map(s); List of results; List of actions pending or taken	Add Little Nolan tributaries to dry weather screening; Update screening map(s); List of results; List of actions pending or taken	Add Trimmier Creek tributaries to dry weather screening; Update screening map(s); List of results; List of actions pending or taken	Add additional tributaries to dry weather screening; Update screening map(s); List of results; List of actions pending or taken	
ID-7	Illicit Discharge Investigations	List of investigation types and locations; Identify priority areas	List of investigation types and locations; Identify priority areas	List of investigation types and locations; Identify priority areas	List of investigation types and locations; Identify priority areas	List of investigation types and locations; Identify priority areas	List of investigation types and locations; Identify priority areas	
ID-8	Reduce Failing Septic Systems	Map of septic system conversions; # of septic system tie-ins	Map of septic systems; # of septic system tie-ins; Develop written procedures for coordinating with Bell County Public Health	Map of septic systems; # of septic system tie-ins; List of joint investigations with Bell County Public Health	Map of septic systems; # of septic system tie-ins; List of joint investigations with Bell County Public Health	Map of septic systems; # of septic system tie-ins; List of joint investigations with Bell County Public Health	Map of septic systems; # of septic system tie-ins; List of joint investigations with Bell County Public Health	

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ID-9	Tracking of Illicit Discharges	Develop written procedures for responding to, tracing, and removing illicit discharges	Implement written procedures for responding to, tracing, and removing illicit discharges; Provide safety training to all response personnel	Track compliance with procedures; Provide safety training to all response personnel	Track compliance with procedures; Provide safety training to all response personnel	Track compliance with procedures; Provide safety training to all response personnel	Track compliance with procedures; Provide safety training to all response personnel	
C-1	Erosion Control Ordinance	List of Land Disturbance Permits (LDP) submitted to the City; List of ESC inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Land Disturbance Permits (LDP) submitted to the City; List of ESC inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Land Disturbance Permits (LDP) submitted to the City; List of ESC inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Land Disturbance Permits (LDP) submitted to the City; List of ESC inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Land Disturbance Permits (LDP) submitted to the City; List of ESC inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Land Disturbance Permits (LDP) submitted to the City; List of ESC inspections; List of Enforcement actions; Review and update Ordinances as needed	
C-2	Plan Review Procedures	List of construction inspections performed; Number of construction plan reviews completed	List of inspections performed; Number of construction plan reviews completed; Review and update site plan review procedures as needed	List of inspections performed; Number of construction plan reviews completed; Review and update site plan review procedures as needed	List of inspections performed; Number of construction plan reviews completed; Review and update site plan review procedures as needed	List of inspections performed; Number of construction plan reviews completed; Review and update site plan review procedures as needed	List of inspections performed; Number of construction plan reviews completed; Review and update site plan review procedures as needed	
C-3	Construction Inspection	List of field inspections; CRM summary report; Training of City staff on construction inspection	List of field inspections; CRM summary report; Training of City staff on construction inspection	List of field inspections; CRM summary report; Training of City staff on construction inspection	List of field inspections; CRM summary report; Training of City staff on construction inspection	List of field inspections; CRM summary report; Training of City staff on construction inspection	List of field inspections; CRM summary report; Training of City staff on construction inspection	
C-4	Construction General Permit Training	Copy of promotional training material; Sign in sheet from City Hosted Training	Copy of promotional training material; Sign in sheet from City Hosted Training	Copy of promotional training material; Sign in sheet from City Hosted Training	Copy of promotional training material; Sign in sheet from City Hosted Training	Copy of promotional training material; Sign in sheet from City Hosted Training	Copy of promotional training material; Sign in sheet from City Hosted Training	

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PC-1	Post Construction Ordinance	List of Storm Water Management Site Plans (SWMSP) submitted to the City; List of SWMSP inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Storm Water Management Site Plans (SWMSP) submitted to the City; List of SWMSP inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Storm Water Management Site Plans (SWMSP) submitted to the City; List of SWMSP inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Storm Water Management Site Plans (SWMSP) submitted to the City; List of SWMSP inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Storm Water Management Site Plans (SWMSP) submitted to the City; List of SWMSP inspections; List of Enforcement actions; Review and update Ordinances as needed	List of Storm Water Management Site Plans (SWMSP) submitted to the City; List of SWMSP inspections; List of Enforcement actions; Review and update Ordinances as needed	
PC-2	Long Term Operation and Maintenance of BMPs	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	List of BMPs in the last year; Updated maintenance schedule	
PC-3	List of Water Quality CIP Projects	GIS coverage of water quality CIP components; Updated Maintenance Plan	GIS coverage of water quality CIP components; Updated Maintenance Plan	GIS coverage of water quality CIP components; Updated Maintenance Plan	GIS coverage of water quality CIP components; Updated Maintenance Plan	GIS coverage of water quality CIP components; Updated Maintenance Plan	GIS coverage of water quality CIP components; Updated Maintenance Plan	
GH-1	Storm Water Pollution Prevention Training	Updated BMP/SO manual pages as needed; 1 training session	Updated BMP/SO manual pages as needed; 1 training session	Updated BMP/SO manual pages as needed; 1 training session	Updated BMP/SO manual pages as needed; 1 training session	Updated BMP/SO manual pages as needed; 1 training session	Updated BMP/SO manual pages as needed; 1 training session	
GH-2	Storm Water Controls at City Facilities	Develop an inventory of City Facilities and stormwater controls; Perform inspection of City Facilities for stormwater compliance; Copy of Industrial Stormwater permit coverage	Develop an inventory of City Facilities and stormwater controls; Perform inspection of City Facilities for stormwater compliance; Copy of Industrial Stormwater permit coverage	Develop an inventory of City Facilities and stormwater controls; Perform inspection of City Facilities for stormwater compliance; Copy of Industrial Stormwater permit coverage	Develop an inventory of City Facilities and stormwater controls; Perform inspection of City Facilities for stormwater compliance; Copy of Industrial Stormwater permit coverage	Develop an inventory of City Facilities and stormwater controls; Perform inspection of City Facilities for stormwater compliance; Copy of Industrial Stormwater permit coverage	Develop an inventory of City Facilities and stormwater controls; Perform inspection of City Facilities for stormwater compliance; Copy of Industrial Stormwater permit coverage	
GH-3	Vehicle Maintenance	Document leak detection; Document fluids disposal	Document leak detection; Document fluids disposal	Document leak detection; Document fluids disposal	Document leak detection; Document fluids disposal	Document leak detection; Document fluids disposal	Document leak detection; Document fluids disposal	
GH-4	Vehicle Washing	Maintenance log	Maintenance log	Maintenance log	Maintenance log	Maintenance log	Maintenance log	

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GH-5	Vehicle Fueling	Update SPCC plan as needed; UST Report	Update SPCC plan as needed; UST Report	Update SPCC plan as needed; UST Report	Update SPCC plan as needed; UST Report	Update SPCC plan as needed; UST Report	Update SPCC plan as needed; UST Report	
GH-6	Roadway Cleaning	5,000 lane miles swept; Review and update street sweeper waste material disposal as needed	5,000 lane miles swept; Review and update street sweeper waste material disposal as needed	5,000 lane miles swept; Review and update street sweeper waste material disposal as needed	5,000 lane miles swept; Review and update street sweeper waste material disposal as needed Purchase a street sweeper	5,000 lane miles swept; Review and update street sweeper waste material disposal as needed; Add an operator for the street sweeper	5,000 lane miles swept; Review and update street sweeper waste material disposal as needed;	
GH-7	Structural BMP & Storm Drain System Maintenance	List of Work Orders in City Works; Updated Drainage Maintenance Schedule; Inspection & Maintenance reports	List of Work Orders in City Works; Updated Drainage Maintenance Schedule; Inspection & Maintenance reports;	List of Work Orders in City Works; Updated Drainage Maintenance Schedule; Inspection & Maintenance reports; Add an operator for the Vacuum combination unit Purchase a Vacuum combination unit	List of Work Orders in City Works; Updated Drainage Maintenance Schedule; Inspection & Maintenance reports. Provide list of work orders in log format or in City Work	List of Work Orders in City Works; Updated Drainage Maintenance Schedule; Inspection & Maintenance reports; Purchase a Vacuum combination unit	List of Work Orders in City Works; Updated Drainage Maintenance Schedule; Inspection & Maintenance reports; Add an operator for the Vacuum combination unit	
GH-8	Landscape and Lawn Care	List of training dates; Copy of licenses for all applicable City departments and divisions; Copy of updated BMP/SOP Manual (if updated)	List of training dates; Copy of licenses for all applicable City departments and divisions; Copy of updated BMP/SOP Manual (if updated)	List of training dates; Copy of licenses for all applicable City departments and divisions; Copy of updated BMP/SOP Manual (if updated)	List of training dates; Copy of licenses for all applicable City departments and divisions; Copy of updated BMP/SOP Manual (if updated)	List of training dates; Copy of licenses for all applicable City departments and divisions; Copy of updated BMP/SOP Manual (if updated)	List of training dates; Copy of licenses for all applicable City departments and divisions; Copy of updated BMP/SOP Manual (if updated)	
GH-9	Hazardous Materials Storage & Disposal	1 training session; List of attendees	1 training session; List of attendees; Copy of tracking form	1 training session; List of attendees; List of Disposals	2 training session; List of attendees; List of Disposals	3 training session; List of attendees; List of Disposals	4 training session; List of attendees; List of Disposals	
GH-10	Used Oil Collection & Recycling	Inspection log; Quantity recycled	Inspection log; Quantity recycled	Inspection log; Quantity recycled	Inspection log; Quantity recycled	Inspection log; Quantity recycled	Inspection log; Quantity recycled	

		STORM WATER MANAGEMENT PROGRAM - PROGRAM SUMMARY						Updated October 23, 2014 Updated September 30, 2015 Updated September 30, 2015
		The table below lists the major implementation activity and measurable goals developed for each BMP and the year in which they are to be implemented.						
BMP	DESCRIPTION	12/13/2013 TO 9/30/2014	10/1/2014 TO 9/30/2015	10/1/2015 TO 9/30/2016	10/1/2016 TO 9/30/2017	10/1/2017 TO 9/30/2018	10/1/2018 TO 12/13/2018	
GH-11	Non-Storm Water Discharges	Water and Sewer Staff to use dechlorination equipment	Water and Sewer Staff to use dechlorination equipment	Water and Sewer Staff to use dechlorination equipment	Water and Sewer Staff to use dechlorination equipment	Water and Sewer Staff to use dechlorination equipment	Water and Sewer Staff to use dechlorination equipment	
GH-12	City Construction Projects	Track compliance with water quality compliance on capital improvement projects	Perform site inspections of water quality compliance on capital improvement projects	Perform site inspections of water quality compliance on capital improvement projects; Copy of input on standardized oversight procedures	Perform site inspections of water quality compliance on capital improvement projects; Copy of draft standardized oversight procedures	Perform site inspections of water quality compliance on capital improvement projects; Copy of draft standardized oversight procedures	Perform site inspections of water quality compliance on capital improvement projects; Copy of standardized oversight procedures	
IS-1	Industrial Storm Water Sources Ordinance	Investigate potential Industrial Storm Water Sources ordinance	Develop potential Industrial Storm Water Sources ordinance if needed; Hold Stakeholder meeting if needed	Adopt potential Industrial Storm Water Sources ordinance if needed; Hold Stakeholder meeting if needed	Provide public education on new ordinance if adopted; Hold Stakeholder meeting if needed	Track investigations and compliance with new ordinance if adopted	Track investigations and compliance with new ordinance if adopted	
IS-2	Identify Industrial Storm Water Sources	Identify pollutants in storm water that discharges into MS4	Develop Priorities and Procedures for inspections and implementation of control measures	Adopt Priorities and Procedures for Program Industrial storm water Program	Review and Modify as necessary	Review and Modify as necessary	Review and Modify as necessary	
IS-3	Industrial Storm Water Testing	None	None	Develop Industrial storm water testing procedures	Develop Industrial storm water testing procedures	Implement testing program; List of Investigations	Continue testing program; List of Investigations	



CITY LIMITS PRE 09/14/64

ANNEXATION HISTORY

NOTE: 55.564 SQUARE MILES WITHIN
KILLEEN CITY LIMITS AS OF 08/27/13



ANNEXED AREAS	
1964 AND BEFORE	
1964 - 1969	
1970 - 1979	
1980 - 1989	
1990 - 1999	
2000 - 2009	
2010 - 2019	

Annexation Date	Ordinance Number	Acreage	Accumulated Acreage	Description
06/28/64	n/a	13933.8	13933.8	Killeen City Limit Boundary
08/28/64	#6-40	29.107	13962.907	South Meadows Section VI
11/13/64	#6-45	32.223	13995.13	Barge Properties (Distracted Addition)
02/12/65	#6-55	18.792	14013.922	Western Hills Phase 3
01/14/66	#6-53	141.825	14155.747	Wingspan Addition
12/23/66	#6-67	2961.9	17117.747	South of and including Elms Rd.
12/23/66	#6-69	244.732	17362.479	Winfield Estates area
09/22/67	#6-79	76.162	17438.641	Jamestown Addition
12/22/67	#6-87	195.9	17634.541	Watercrest Addition
06/23/68	#6-95	8.138	17642.679	Daube Tract
12/14/68	#6-109	68.892	17711.571	K.L.S.D. Ellison 9th (Shoemaker high)
05/24/69	#6-40	457.07	18168.641	Roy Reynolds, north of A & S F Rd
08/23/69	#6-40	47.754	18216.395	Lions Club Park
11/14/69	#6-79	178.218	18394.613	Memphis Hospital
11/14/69	n/a	48.892	18443.505	1214/93 Annex. Also in 11/14/69
04/09/69	#6-27	61.408	18504.913	Lakecrest Addition
12/17/69	#6-98	232.946	18737.859	East of Hwy 195 (Rahman Addition)
03/16/69	#6-16	1073.346	19811.205	Clear Creek Rd./1000' strip of Ft. Hood
03/23/69	#6-24	8.127	19819.332	East of Lakecrest Add.
06/08/69	#6-48	60.843	19880.175	Candler Valley Sub.
07/13/69	#6-55	103.271	19983.446	NE corner of Robnett & FM 3470
08/10/69	#6-61	158.776	20042.222	Clear Creek Estates
10/19/69	#6-84	32.704	20074.926	Area 1- C.T.E. (OH 440 to Willow Springs)
10/19/69	#6-84	109.25	20184.176	Area 2- North & East of Lakecrest Add.
10/19/69	#6-84	243.16	20427.336	Area 3- NE corner of Watercrest/Chase Ck.
10/19/69	#6-84	839.12	21266.456	Area 4- Robnett, Clear Ck. S.S.Lp area
10/19/69	#6-84	588.12	21854.578	Area 5- Hwy 195 South to Reese Ck. Rd.
10/19/69	#6-84	438.537	22293.115	Area 6- Trimmer Rd. and surrounding area
10/19/69	#6-84	261.201	22554.316	Area 7- South of east portion of Stagewalk Rd.
04/09/72	#6-17	130.229	22684.545	West of Cunningham Rd. East of Trimmer Rd.
09/09/73	#6-47	1.055	22685.600	East of Turkey Tract Road (R. Cunningham Sur.)
11/18/73	#6-55	2.19	22687.790	Schmidt Road North of Brookhaven Ph. 3
10/28/73	#6-53	40.789	22728.579	W of Clear Ck. Rd. and N of Old Coppens Ck. Rd.
12/18/73	#6-53	416.787	23145.366	S of City of Killeen and E of City of Harper Hgts
02/10/74	#6-45	27.3	23172.663	S of City of Killeen and E of City of Harper Hgts
05/01/74	#6-45	517.3	23690.000	S of City of Killeen and E of City of Harper Hgts
05/11/74	#6-38	91.361	23781.361	S of Stan Schuster Lp and East of Sh Hwy 201
05/14/74	#6-78	24.367	23805.728	S of Stan Schuster Lp and East of Sh Hwy 201
01/25/75	#6-06	99.439	23905.167	N SH 201 and E Clear Creek Rd
02/18/75	#6-16	205.379	24110.546	N SH 201 and E Clear Creek Rd
04/26/75	#6-32	121.971	24232.517	2 Tracts N SH 201 and E Clear Creek Rd
03/13/75	#6-70	137.440	24370.000	S of Stan Schuster Lp and East of Sh Hwy 201
08/28/77	#6-73	37.400	24407.400	S of Stan Schuster Lp and East of Sh Hwy 195
07/13/78	#6-80	10.340	24417.740	W of Clear Ck. Rd. and N of Old Coppens Ck. Rd.
01/14/78	#6-08	1300	25717.740	Stagewalk Area W of Cunningham & E of Wagon Wheel
01/28/78	#6-11	1195	26812.740	Area 2- 1000' Strip Down SH 195 of Old Coppens Ck. Rd.
01/28/78	#6-11	1195	27907.740	Area 3- NE of SH 201 and S of Stan Schuster Lp
01/28/78	#6-11	1195	29102.740	Area 4- 1000' Strip Down SH 195 of Old Coppens Ck. Rd.
01/28/78	#6-11	1195	30297.740	Area 5- S of Chaparral Rd. & N of Clear Creek Rd
01/28/78	#6-11	1195	31492.740	City of Killeen Transfer Station S of Chaparral Rd
07/28/78	#6-04	12.241	31504.981	Road to Barry
01/23/11	#11-004	324.55	31829.531	Travis AMU University Central Texas Campus
01/23/11	#11-004	123.314	31952.845	S of Stan Schuster Lp and W of Barry Trl
08/14/12	#12-049	86.31	32039.156	N SH 201 and E Clear Creek Rd
08/27/13	#13-042	1.336	32040.492	Intersection of SH 195 and FM 2484



City of Killdeer
Planning & Development
Services

ATTACHMENT A

COMPLIANCE WITH TXR040000 PARTII.D.4.(b)

As indicated in the City's previous MS4 permit's annual reports, the City of Killeen has participated previously in two CWA 319(h) grant projects (one for Nolan Creek and one for the Lampasas River) and is currently contracted to complete a second CWA 319(h) grant for a different portion of Nolan Creek. While the City cannot take credit for those federal 319(h) projects in our MS4 permit, we have been and will continue to utilize the data collected as part of those grants to focus our BMPs and outreach efforts on identified areas of concern.

The City participates in the Lampasas Watershed Protection Plan (WPP) partnership, and the Nolan Creek Watershed Partnership (PE-8). The Lampasas WPP Partnership has a TCEQ and EPA "approved" plan that we are utilizing to reduce bacteria and the pollutants of concerns. The Nolan Creek Watershed partnership is still in its early phases and is in the process of developing a WPP for that watershed. The City is currently playing a key role in that partnership. Although the Lampasas WPP is for the Lampasas watershed, the City is currently using those recommendations throughout the City until a Nolan Creek WPP can be developed. While concentrated efforts are being made within the impaired watersheds, the City has chosen to proactively expand the targeted outreach to all areas within the city limits to help prevent future similar impairments.

In addition, the City has an existing illicit discharge ordinance (Chapter 32 Article II) that defines an Illicit discharge as "Any discharge to the MS4 that is not entirely composed of storm water, except discharges pursuant to this article, State or Federal law and discharges resulting from emergency fire fighting activities." Based on that definition and the definition of Illicit Discharge in the TPDES General Permit TXR 040000, bacteria would be classified as an Illicit Discharge. Therefore, the requirements of Part II.D.4.(b) for bacteria are covered in the City's submitted BMPs. More specifically:

1. Part II.D.4.(b)(1)(a): Previously completed in the first MS4 permit and the proposed MS4 permit through ID-6 & ID-7, and utilized the 319(h) grants mentioned above to focus the response to identified areas of concern. The City is aware that there are bacteria and other pollutants of concern that are entering the impaired water bodies within the city limits of Killeen.
2. Part II.D.4.(b)(1)(b): Previously completed in the first MS4 permit and the proposed MS4 permit through the following:
 - a. Bacteria - PE-3, ID-2, ID-5, ID-6, ID-7, ID-8, ID-9, GH-2, & GH-6
 - b. Macrobenthic - PE-3, ID-6, ID-9, C-1, C-3, C-4, GH-2, GH-6, & GH-7
 - c. Total Phosphorus/Nitrate/Orthophosphorus - PE-3, PE-9, ID-2, ID-3, ID-4, ID-6, ID-7, ID-9, GH-2, GH-4, GH-6, GH-8, & GH-9

ATTACHMENT A

COMPLIANCE WITH TXR040000 PART II.D.4.(b)

3. Part II.D.4.(b)(1)(c): The City will submit an NOI to amend or add BMPs to its SWMP as needed.
4. Part II.D.4.(b)(2): Previously completed in the first MS4 permit and the proposed MS4 permit through PE-3, PE-8, ID-2, ID-5, ID-6, ID-7, ID-8, ID-9, GH-2, & GH-6. The City will submit an NOI to amend or add BMPs to its SWMP as needed.
5. Part II.D.4.(b)(3): Previously completed in the first MS4 permit and the proposed MS4 permit and will continue to enhance the following BMPs as necessary:
 - a. Bacteria - PE-3, ID-2, ID-5, ID-6, ID-7, ID-8, ID-9, GH-2, & GH-6
 - b. Macrobenthic - PE-3, ID-6, ID-9, C-1, C-3, C-4, GH-2, GH-6, & GH-7
 - c. Total Phosphorus/Nitrate/Orthophosphorus - PE-3, PE-9, ID-2, ID-3, ID-4, ID-6, ID-7, ID-9, GH-2, GH-4, GH-6, GH-8, & GH-9